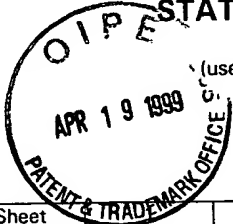


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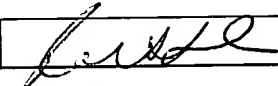
Substitute for form 1449A/PTO		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Application Number	09/148,012	
		Filing Date	September 4, 1998	
		First Named Inventor	Monty Krieger	
		Group Art Unit	1643-1647	
		Examiner Name	R. LANDSMAN	
Sheet	of	11	Attorney Docket Number	MIT 7150 CIP(2)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
PL		3,625,214		Higuchi	12-07-1971	
PL		4,244,946		River, et al.	01-13-1981	
PL		4,305,872		Johnston, et al.	12-15-1981	
PL		4,316,891		Guillemin, et al.	12-23-1982	
PL		4,629,784		Stammer	12-16-1986	
PL		4,789,734		Pierschbacher	12-06-1988	
PL		4,792,525		Ruoslaghti, et al.	12-20-1988	
PL		4,868,116		Morgan, et al.	09-19-1989	
PL		4,906,474		Langer, et al.	03-06-1990	
PL		4,925,673		Steiner, et al.	05-15-1990	
PL		4,980,286		Morgan, et al.	12-25-1990	

FOREIGN PATENT DOCUMENTS

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		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
PL		WO	93/01286			01-21-1993		
PL		WO	96/00288			01-04-1996		
PL		WO	97/18304			05-22-1997		

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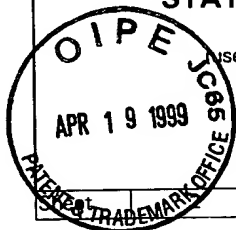
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		Filing Date	September 4, 1998
		First Named Inventor	Monty Krieger
		Group Art Unit	1643 1647
		Examiner Name	RLANDSMAN
		Attorney Docket Number	MIT 7150 CIP(2)
of 11			



OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T ²
AK		ABUMRAD, et al., "Cloning of a Rat Adipocyte Membrane Protein Implicated in Binding or Transport of Long-chain Fatty Acids That Is Induced during Preadipocyte Differentiation," <i>J. Biol. Chem.</i> 268:17665-17668 (1993).	
AK		ACTON, et al., "Expression Cloning of SR-BI, a CD36-related Class B Scavenger Receptor," <i>J. Biol. Chem.</i> 269: 21003-21009 (1994).	
AK		ACTON, et al., "The Collagenous Domains of Macrophage Scavenger Receptors and Complement Component C1q Mediate Their Similar, But Not Identical, Binding Specificities for Polyanionic Ligands," <i>J. Biol. Chem.</i> 268: 3530-3537 (1993).	
AK		ACTON, et al., "Identification of scavenger receptor SR-BI as a high density lipoprotein receptor," <i>Science</i> 271: 518-520 (1996).	
AK		AGRAWAL, et al., "Oligodeoxynucleoside phosphoramidates and phosphorothioates as inhibitors of human immunodeficiency virus," <i>Proc. Natl. Acad. Sci. USA</i> , 85:7079-7083 (1988).	
AK		ANDERSEN and DIETSCHY, "Kinetic parameters of the lipoprotein transport systems in the adrenal gland of the rat determined in vivo. Comparison of low and high density lipoproteins of human and rat origin," <i>J. Biol. Chem.</i> 256: 7362 (1981).	
AK		ARAI, et al., "Multiple Receptors for Modified Low Density Lipoproteins in Mouse Peritoneal Macrophages: Different Uptake Mechanisms for Acetylated and Oxidized Low Density Lipoproteins," <i>Biochem. Biophys. Res. Commun</i> 159:1375-1382 (1989).	
AK		ASCH, et al., "Isolation of the Thrombospondin Membrane Receptor," <i>J. Clin. Invest.</i> 79:1054-1061 (1987).	
AK		ASKEW, et al., "Molecular Recognition with Convergent Functional Groups, Synthetic and Structural Studies with a Model Receptor for Nucleic Acid Components", <i>J. Am. Chem. Soc.</i> 111: 1082-1090 (1989).	
AK		AZHAR, et al. "Uptake and utilization of lipoprotein cholesteryl esters by rat granulosa cells," <i>Biochim. Biophys. Acta</i> 1047, 148-169 (1990).	

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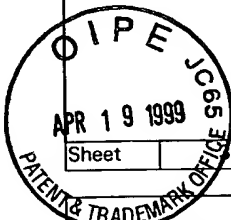
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		Filing Date	September 4, 1998	
		First Named Inventor	Monty Krieger	
		Group Art Unit	1645 1647	
		Examiner Name	R. Landsman	
Sheet	of	11	Attorney Docket Number	MIT 7150 CIP(2)



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HL		BALDINI, et al., "Cloning of a Rab3 Isotype Predominately Expressed in Adipocytes", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 89: 5049-5052 (1992).	
BL		BICKEL, et al., "Rabbit Aortic Smooth Muscle Cells Express Inducible Macrophage Scavenger Receptor Messenger RNA that is Absent from Endothelial Cells", <i>J. Clin. Invest.</i> 90: 1450-1457 (1992).	
BL		BLUME, et al., "Triple Helix Formation by Purine-rich Oligonucleotides Targeted to the Human Dihydrofolate Reductase Promoter", <i>Nucl. Acids Res.</i> 20: 1777-1784 (1992).	
BL		BROWN & GOLDSTEIN, "Lipoprotein Metabolism In The Macrophage: Implications for Cholesterol Deposition in Atherosclerosis" <i>Annu. Rev. Biochem.</i> 52: 223-261 (1983).	
BL		CALVO & VEGA, "Identification, Primary Structure, and Distribution of CLA-1, a Novel Member of the CD36/LIMPII Gene Family", <i>J. Biol. Chem.</i> 268: 18929:18935 (1993).	
BL		CHARRON, et al., "A Glucose Transport Protein Expressed Predominately in Insulin-responsive Tissues", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 86: 2535-2539 (1989).	
BL		CHUNG, et al., "Single vertical Spin Density Gradient Ultracentrifugation," in <i>Methods of Enzymology</i> , Ed J.P. Segrest and J.J. Albers (Academic Press, Inc. Orlando, FL 1986) Vol. 128, pp. 181-209.	
BL		COONEY, et al., "Site-Specific Oligonucleotide Binding Represses Transcription of the Human c-myc Gene in Vitro", <i>Science</i> 241: 456-459 (1988).	
BL		CROOKE, "Progress Toward Oligonucleotide Therapeutics: Pharmacodynamic Properties", <i>FASEB J.</i> 7: 533-539 (1993).	
BL		DOI, et al., "Charged Collagen Struture Mediates the Recognition of Negatively Charged Macromolecules by Macrophage Scavenger Receptors", <i>J. Biol. Chem.</i> 268: 2126-2133 (1993).	

Examiner's Signature	<i>[Signature]</i>	Date Considered	2/29/00
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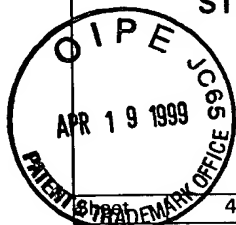
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Application Number	09/148,012
Filing Date	September 4, 1998
First Named Inventor	Monty Krieger
Group Art Unit	1643 1647
Examiner Name	R. Landsman
Attorney Docket Number	MIT 7150 CIP(2)

4 of 11

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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BL		DUVAL-VALENTIN, et al., "Specific Inhibition of Transcription by Triple Helix-Forming Oligonucleotides," <i>Proc. Natl. Acad. Sci. USA</i> , 89: 504-508 (1992).	
BL		ENDEMANN, et al. "CD36 Is a Receptor for Oxidized Low Density Lipoprotein", <i>J. Biol. Chem.</i> 268: 11811-11816 (1993).	
BL		FRASER, et al., "Divalent cation-independent macrophage adhesion inhibited by monoclonal antibody to murine scavenger receptor", <i>Nature</i> 364: 343-346 (1993).	
BL		FREEMAN, et al., "Expression of type I and type II bovine scavenger receptors in Chinese hamster ovary cells: Lipid droplet accumulation and nonreciprocal cross competition by acetylated and oxidized low density lipoprotein", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 88: 4931-4935 (1991).	
BL		GLASS, et al., "Dissociation of tissue uptake of cholesterol ester from that of apoprotein A-I of rat plasma high density lipoprotein: selective delivery of cholesterol ester to liver, adrenal, and gonad," <i>Proc. Natl. Acad. Sci. USA</i> 80: 5435 (1983).	
BL		GLASS, et al., "Uptake of high-density lipoprotein-associated apoprotein A-I and cholesterol esters by 16 tissues of the rat in vivo and by adrenal cells and hepatocytes in vitro," <i>J. Biol. Chem.</i> 260: 744 (1985).	
BL		GOLDSTEIN, et al., "Binding site on macrophages that mediates uptake and degradation of acetylated low density lipoprotein, producing massive cholesterol deposition", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 76: 333-337 (1979).	
BL		GREENWALT, et al., "Membrane Glycoprotein CD36: A Review of Its Roles in Adherence, Signal Transduction, and Transfusion Medicine", <i>Blood</i> 80:1105-1115 (1992).	
BL		GREGORIADIS, Chapter 14: "Liposomes", <i>Drug Carriers in Biology and Medicine</i> pp. 287-341 (Academic Press, 1979).	
BL		GRIGORIEV, et al., "A Triple Helix-forming Oligonucleotide-Intercalator Conjugate Acts as a Transcriptional Repressor via Inhibition of NF KB Binding to Interleukin-2 Receptor α -Regulatory Sequence", <i>J. Biol. Chem.</i> 267: 3389-3395 (1992).	

Examiner's
Signature

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number

09/148,012

Filing Date

September 4, 1998

First Named Inventor

Monty Krieger

Group Art Unit

4643 1647

Examiner Name

R. Landsman

Attorney Docket Number

MIT 7150 CIP(2)

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of

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OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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BL		HABERLAND, et al., "Two Distinct Receptors Account for Recognition of Maleyl-Albumin in Human Monocytes during Differentiation In Vitro", <i>J. Clin. Invest.</i> 77: 681-689 (1986).	
BL		HERZ, et al., "Surface location and high affinity for calcium of a 500-kd liver membrane protein closely related to the LDL-receptor suggest a physiological role as lipoprotein receptor", <i>EMBO J.</i> 7: 4119-4127 (1988).	
BL		HOGAN, et al., <u>Manipulating the mouse embryo</u> , Cold Spring Harbor Laboratory, Cold Spring Harbor, NY (1986).	
BL		HOLT, et al., "An Oligomer Complementary to c-myc mRNA Inhibits Proliferation of HL-60 Promyelocytic Cells and Induces Differentiation", <i>Mol. Cell. Biol.</i> 8: 963-973 (1988).	
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BL		HUNT & CALDERWOOD, "Characterization and sequence of a mouse hsp70 gene and its expression in mouse cell lines", <i>Gene</i> 87: 199-204 (1990).	
BL		ITAKURA, et al., "Synthesis and use of synthetic oligonucleotides", in <i>Ann. Rev. Biochem.</i> 53: 323-356 (1984).	
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BL		KHOO, et al., "Selective uptake of HDL cholesteryl esters is active in transgenic mice expressing human apolipoprotein A-I," <i>J. Lipid Res.</i> 36: 593 (1995).	

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		First Named Inventor	Monty Krieger
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6	of	11	



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BL		KODAMA et al., "Type I macrophage scavenger receptor contains α -helical and collagen-like coiled coils" <i>Nature</i> 343: 531-535 (1990).	
BL		KOFF, et al., "Formation and activation of a cyclin E-cdk2 complex during the G1 phase of the human cell cycle," <i>Science</i> 257: 1689-1694 (1992).	
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BL		KOWAL, "Adrenal cells in tissue culture. IV. Use of an inhibitor of steroid synthesis for the study of ACTH action," <i>Endocrinology</i> 85: 270-279 (1969).	
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BL		KRIEGER, "Molecular flypaper and atherosclerosis: structure of the macrophage scavenger receptor", <i>Trends Biochem. Sci.</i> 17:141-146 (1992).	
BL		LANDSCHULZ, et al., "Regulation of scavenger receptor, class B, type I, a high density lipoprotein receptor, in liver and steroidogenic tissues of the rat," <i>J Clin Invest.</i> 98(4):984-95 (1996).	
BL		LEWIS & DEAN, "Automated site-directed drug design: the formation of molecular templates in primary structure generation", <i>Proc. R. Soc. Lond.</i> , 236:125-140 and 141-162 (1989).	


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BL		LOVELL-BADGE, in <u>Teratocarcinomas and embryonic stem cells, a practical approach</u> , ed. E.J. Robertson, (IRL Press 1987).	
BL		LOWRY, et al. "Protein Measurement with the Folin Phenol Reagent", <i>J. Biol. Chem.</i> 193: 265-275 (1951).	
BL		MAHER, et al., "Inhibition of DNA Binding Proteins by Oligonucleotide-Directed Triple Helix Formation", <i>Science</i> 245:725-730 (1989).	
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BL		MOESTRUP, et al., "Distribution of the α 2-macroglobulin receptor/low density lipoprotein receptor-related protein in human tissues", <i>Cell Tissue Res.</i> 269: 375-382 (1992).	
BL		MULLIGAN, "The Basic Science of Gene Therapy", <i>Science</i> 260: 926-932 (1993).	
BL		NAGELKERKE, et al., "In Vivo and in Vitro Uptake and Degradation of Acetylated Low Density Lipoprotein by Rat Liver Endothelial, Kupffer, and Parenchymal Cells", <i>J. Biol. Chem.</i> 258: 12221-12227 (1983).	
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BL		NARANG, et al., in "Chemical Synthesis of Deoxyoligonucleotides by the Modified Triester Method", <i>Methods Enzymol</i> 65: 610-620 (1980).	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Application Number	09/148,012
Filing Date	September 4, 1998
First Named Inventor	Monty Krieger
Group Art Unit	1643 1647
Examiner Name	R. Landsman
Attorney Docket Number	MIT 7150 CIP(2)

8 of 11

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T ²
BL		OCKENHOUSE, et al., "Activation of Monocytes and Platelets by Monoclonal Antibodies or Malaria-infected Erythrocytes Binding to the CD36 Surface Receptor in vitro", <i>J. Clin. Invest.</i> 84: 468-475 (1989).	
BL		OFFENSBERGER, et al., "In vivo inhibition of duck hepatitis B virus replication and gene expression by phosphorothioate modified antisense oligodeoxynucleotides", <i>EMBO J.</i> 12: 1257-1262 (1993)	
BL		OQUENDO, et al., "CD36 Directly Mediates Cytoadherence of Plasmodium falciparum Parasitized Erythrocytes", <i>Cell</i> 58: 95-101 (1989)	
BL		ORSON, et al., "Oligonucleotide inhibition of IL2R α mRNA transcription by promoter region collinear triplex formation in lymphocytes", <i>Nucl. Acids Res.</i> 19: 3435-3441 (1991).	
BL		OTTNAD, et al., "Differentiation of binding sites on reconstituted hepatic scavenger receptors using oxidized low-density lipoprotein", <i>Biochem J.</i> 281: 745-751 (1992).	
BL		PERRY & DAVIES, "The Use of 3D Modelling Databases for Identifying Structure Activity Relationships", QSAR: Quantitative Structure-Activity Relationships in Drug Design, pp. 189-193 (Alan R. Liss, Inc. 1989).	
BL		PIETERS, et al., "In Vitro and In Vivo Evidence for the Role of HDL in reverse Cholesterol Transport," <i>Biochim. Biophys. Acta</i> 1225: 125 (1994).	
BL		PITAS, et al., "Acetoacetylated lipoproteins used to distinguish fibroblasts from macrophages in vitro by fluorescence microscopy," <i>Arteriosclerosis</i> 1: 177 (1981).	
BL		POSTEL, et al., "Evidence that a triplex-forming oligodeoxyribonucleotide binds to the c-myc promoter in HeLa cells, thereby reducing c-myc mRNA levels", <i>Proc. Natl. Acad. Sci. USA</i> 88:8227-8231 (1991).	
BL		POTTER et al "Enhancer-dependent expression of human kappa immunoglobulin genes introduced into mouse pre-B lymphocytes by electroporation," <i>Proc. Natl. Acad. Sci. USA</i> 81: 7161 (1984).	

Examiner's Signature	<i>[Signature]</i>	Date Considered	2/29/00
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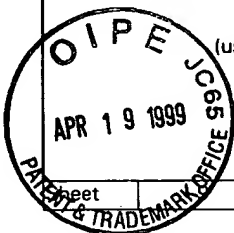
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BL		REAVEN, et al. "Cholesterol uptake by the 'selective' pathway of ovarian granulosa cells: early intracellular events," <i>J. Lipid Res.</i> 36(7):1602-1617 (1995).	
BL		RIGOTTI, et al., "Regulation by adrenocorticotrophic hormone of the in vivo expression of scavenger receptor class B type I (SR-BI), a high density lipoprotein receptor, in steroidogenic cells of the murine adrenal gland," <i>J Biol Chem.</i> 271(52):33545-9 (1996).	
BL		RIGOTTI, et al. "Scavenger receptor BI- a cell surface receptor for high density lipoprotein," <i>Curr. Opin. Lipidol.</i> 8: 181-188 (1997).	
BL		RIGOTTI, et al., "The Class B Scavenger Receptors SR-BI and CD36 Are Receptors for Anionic Phospholipids" <i>J. Bio. Chem.</i> 270(27):16221-16224 (1995).	
BL		RIPKA, "Computers picture the perfect drug", <i>New Scientist</i> 54-57 (1988).	
BL		ROHRER, et al., "Coiled-coil fibrous domains mediate ligand binding by macrophage scavenger receptor type II", <i>Nature</i> 343: 570-572 (1990).	
BL		ROUVINEN, et al., "Computer-aided Drug Design", <i>Acta Pharmaceutica Fennica</i> , 97:159-166 (1988).	
BL		SAMMETT and TALL, "Mechanisms of enhancement of cholesteryl ester transfer protein activity by lipolysis," <i>J. Biol. Chem.</i> 260: 6687 (1985).	
BL		SARIN, et al., "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", <i>Proc. Natl. Acad. Sci. USA</i> 85: 7448-7451 (1989).	
BL		SAVILL, et al., "Macrophage Vitronectin Receptor, CD36, and Thrombospondin Cooperate in Recognition of Neutrophils Undergoing Programmed Cell Death", <i>Chest</i> 99: 6S-7S (suppl) (1991).	

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		Examiner Name	R. Landsman
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BL		SCHNITZER, et al. "Preferential Interaction of Albumin-binding Proteins, gp30 and gp18, with Conformationally Modified Albumins", <i>J. Biol. Chem.</i> 267:24544-24553 (1992).	
BL		SCRIVER, et al., ed., <i>The Metabolic and Molecular Bases of Inherited Disease</i> , (McGraw-Hill, NY 1995), pp. 1981-2030	
BL		SHAW, et al., "Modified deoxyoligonucleotides stable to exonuclease degradation in serum", <i>Nucleic Acids Res.</i> , 19:747-750 (1991).	
BL		SMITH and JOHNSON "Single-step purification of polypeptides expressed in Escherichia coli as fusions with glutathione S-transferase," <i>Gene</i> 67: 31-40 (1988).	
BL		SOUTHERN and BERG, "Transformation of mammalian cells to antibiotic resistance with a bacterial gene under control of the SV40 early region promoter," <i>J. Mol. Appl. Gen.</i> 1: 327-341 (1982).	
BL		SPARROW, et al., "A Macrophage Receptor That Recognizes Oxidized Low Density Lipoprotein but Not Acetylated Low Density Lipoprotein", <i>J. Biol. Chem.</i> 264:2599-2604 (1989).	
BL		STANTON, et al. "A Macrophage Fe Receptor for IgG Is Also a Receptor for Oxidized Low Density Lipoprotein", <i>J. Biol. Chem.</i> 267: 22446-22451 (1992).	
BL		STEIN, et al., "Metabolism of HDL-cholesteryl ester in the rat, studied with a nonhydrolyzable analog, cholesteryl linoleyl ether," <i>Biochim. Biophys. Acta</i> , 752: 98 (1983).	
BL		STEINBERG, et al., "BEYOND CHOLESTEROL: Modifications of Low-Density Lipoprotein That Increase Its Atherogenicity", <i>N. Engl. J. Med.</i> 320: 915-924 (1989).	
BL		STENT, et al., <i>MOLECULAR GENETICS</i> , pp. 213-219 (1971).	

Examiner's Signature	<i>Landsman</i>	Date Considered	2/29/00
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BL		SZOSTAK, "In Vitro genetics," <i>TIBS</i> 19: 89, (1992).	
BL		TANDON, et al., "Identification of Glycoprotein IV (CD36) as a Primary Receptor for Platelet-Collagen Adhesion", <i>J. Biol. Chem.</i> 264:7576-7583 (1989).	
BL		TEMEL, et al., "Scavenger receptor class B, type I (SR-BI) is the major route for the delivery of high density lipoprotein cholesterol to the steroidogenic pathway in cultured mouse adrenocortical cells," <i>Proc Natl Acad Sci U S A.</i> 94(25):13600-5 (1997).	
BL		VIA, et al., "Identification and density dependant regulation of the AC-LDL Receptor in normal and transformed bovine aortic endothelial cells (BAEC)", <i>FASEB J.</i> 6: A371, #2135 (1992).	
BL		WICKSTROM, et al., "Human promyelocytic leukemia HL-60 cell proliferation and c-myc protein expression are inhibited by an antisense pentadecadeoxynucleotide targeted against c-myc mRNA", <i>Proc. Natl. Acad. Sci. USA</i> 85:1028-1032 (1988).	
BL		YOUNG et al., "Triple helix formation inhibits transcription elongation in vitro", <i>Proc. Natl. Acad. Sci. USA</i> , 88: 10023-10026 (1991).	
BL		ZAMECNIK, et al., "Inhibition of Rous sarcoma virus replication and cell transformation by a specific oligodeoxynucleotide", <i>Proc. Natl. Acad. Sci. USA</i> 75: 280-284 (1978).	
BL		ZAMECNIK, et al., "Inhibition of replication and expression of human T-cell lymphotropic virus type III in cultured cells by exogenous sythetic oligonucleotides complementary to viral RNA", <i>Proc. Natl. Acad. Sci.</i> 83: 4143-4146 (1986).	
BL		ZHU, et al., "Systemic Gene Expression After Intravenous DNA Delivery into Adult Mice", <i>Science</i> 261: 209-211 (1993).	
BL		ZIMMER and GRUSS, "Production of chimaeric mice containing embryonic stem (ES) cells carrying a homoeobox Hox 1.1 allele mutated by homologous recombination," <i>Nature</i> 338: 150-153 (1989).	

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